



DEPARTMENT OF WATER RESOURCES EXAMINATION ANNOUNCEMENT



The Department of Water Resources offers Equal Opportunity for all regardless of race, color, creed, national origin, ancestry, sex, marital status, disability, religious or political affiliation, age, or sexual orientation.

It is an objective of the State of California to achieve a drug-free State workplace. Any applicant for State employment will be expected to behave in accordance with this objective because the use of illegal drugs is inconsistent with the law of the State, the rules governing civil service and the special trust placed in public servants.

SUPERVISING HYDROELECTRIC POWER UTILITY ENGINEER DEPARTMENTAL OPEN, NON PROMOTIONAL

FINAL FILING DATE	November 4, 2011						
	Revised application forms (STD 678 Rev. 6/2010) must be postmarked or submitted in person no later than the final filing date . Applications postmarked, personally delivered, faxed, or received via interoffice mail after the final filing date will not be accepted for any reason. FAXED APPLICATIONS WILL NOT BE ACCEPTED						
WHO SHOULD APPLY	This is an open/non-promotional examination. Applications will not be accepted on a promotional basis. Career Credits will be granted in this examination.						
HOW TO APPLY	<p>You must complete the Examination Application Form (Form STD 678 Rev. 6/2010) by November 4, 2011.</p> <p>Submit an Examination Application (Form STD 678 Rev. 6/2010) to by mail or in person.</p> <table><tr><td>MAIL:</td><td>OR</td><td>SUBMIT IN PERSON:</td></tr><tr><td>Department of Water Resources P.O. Box 942836 Sacramento, CA 94236-0001</td><td></td><td>Department of Water Resources 1416 9th Street, Room 320 Sacramento, CA 95814</td></tr></table> <p>DO NOT MAIL APPLICATIONS TO THE STATE PERSONNEL BOARD OR DEPARTMENT OF WATER RESOURCES' FIELD OFFICES. Applications are available at Department of Water Resources' (DWR) offices, the DWR website: www.water.ca.gov/jobs/currentexams.cfm, local office of the Employment Development Department, the State Personnel Board (SPB), and the SPB website: www.jobs.ca.gov.</p>	MAIL:	OR	SUBMIT IN PERSON:	Department of Water Resources P.O. Box 942836 Sacramento, CA 94236-0001		Department of Water Resources 1416 9th Street, Room 320 Sacramento, CA 95814
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IDENTIFICATION REQUIRED	Accepted applicants are required to bring either a photo identification card or two forms of signed identification to each phase of the examination.						
SPECIAL TESTING ARRANGEMENTS	If you have a disability and need special testing arrangements, mark the appropriate box in Question 2 of the "Application for Examination". You will be contacted to make specific arrangements.						
SALARY RANGE	\$8097 - \$9842						
ELIGIBLE LIST INFORMATION	An open/non-promotional eligible list will be established for the Department of Water Resources. The list will be abolished 12 months after it is established unless the needs of the service and conditions of the list warrant a change in this period.						
EXAMINATION DATES	The entire examination will consist of a Qualifications Appraisal Interview. It is anticipated interviews will be held during December/January 2012 .						
REQUIREMENTS FOR ADMITTANCE TO THE EXAMINATION	<p>NOTE: All applicants must meet the minimum qualifications for this examination by the final filing date, November 4, 2011.</p> <p>Qualifying experience may be combined on a proportionate basis if the requirements stated below include more than one pattern and are distinguished as "Either" I, "or" II, "or" III, etc. For example, candidates possessing qualifying experience amounting to 50% of the required time of Pattern I, and additional experience amounting to 50% of the required time of Pattern II, may be admitted to an examination as meeting 100% of the overall experience requirement.</p> <p>Graduation from college with major work in electrical, electronic, mechanical, or civil engineering. (Additional qualifying experience may be substituted for the required education on a year-for-year basis.)</p> <p style="text-align: center;">And</p> <p>Two years of experience performing the duties of either a Senior Hydroelectric Power Utility Engineer (Specialist) or Senior Hydroelectric Power Utility Engineer (Supervisor) in California state service.</p> <p style="text-align: center;">Or II</p> <p>Five years of progressively responsible engineering experience in the electric utilities field and/or in the operation and maintenance of pumping and generating equipment, two years of which shall have been comparable in responsibility to that of either a Senior Hydroelectric Power Utility Engineer (Specialist) or Senior Hydroelectric Power Utility Engineer (Supervisor).</p>						
POSITION DESCRIPTION	<p>This is the second supervisory level. Under general direction, incumbents plan, organize, coordinate, and direct activities in the electric utilities field and/or operation and maintenance of pumping and generating equipment.</p> <p><i>Positions exist statewide with the Department of Water Resources.</i></p>						
EXAMINATION INFORMATION	This examination will consist of a Qualifications Appraisal Interview – Weighted 100.00% . In order to obtain a position on the eligible list, a minimum rating of 70.00% must be attained in the interview. COMPETITORS WHO DO NOT APPEAR FOR THE INTERVIEW WILL BE DISQUALIFIED.						

SEE REVERSE SIDE FOR ADDITIONAL INFORMATION

SCOPE OF
EXAMINATION

Qualifications Appraisal Interview – Weighted 100.00%

In addition to evaluating the competitors' relative abilities as demonstrated by quality and breadth of experience, emphasis in the examining interview will be on measuring competitively, relative to job demands, each competitor's:

- A. Knowledge of:
1. Engineering theory and practices relating to power generation, transmission, distribution, and marketing.

2. Electric utility operation and management.

3. Functions, responsibilities, and procedures of regulatory and government agencies including the Public Utilities Commission, the Federal Energy Regulatory Commission, and the California Energy Commission, in the electric utility field.

4. Planning, design, construction, and operation of major generating plants, power transmission systems and pumping plants.

5. Methods of determining the optimum capacity and energy output of generating plants.

6. Power marketing and economics, including the market for and value of electric power, methods of marketing power and rates, agreements.

7. Operating, maintaining, and testing of electrical and mechanical equipment and systems for plants, switchyards, reservoir outlets, and aqueduct control features.

8. Environmental issues and policies.

9. Unit operating and loading procedures and criteria.

10. Standards of the American National Standards Institute, Institute of Electrical and Electronic Engineers, and American Society of Mechanical Engineers.

11. Function and operation of control, protection, and instrumentation circuitry.

12. Servo systems and governors.

13. Bearings and lubrication.

14. Machining, welding, and metal working.

15. Nondestructive examination.

16. Alignment and balancing of rotating machinery including vibration measurement.

17. Methods of maintenance, repair, and testing of motor and generators.

18. Power system operation and control.

19. Power system studies, load flow, stability, and fault analyses, and economic dispatch.

20. Principles and practices of effective supervision, management, and organization.

21. The Department's Equal Employment Opportunity objectives.

22. A manager's role in the Equal Employment Opportunity Program, and the processes available to meet equal employment objectives.

23. Department Policies.
- B. Ability to:
1. Analyze situations accurately and adopt an effective course of action.

2. Prepare clear, concise, and comprehensive reports and correspondence.

3. Prepare procedures and manuals.

4. Make feasibility studies.

5. Interpret, prepare and revise electrical/mechanical drawings and schematics, protective relay and control logic diagrams.

6. Assist and advise others on maintenance and repair procedures, materials, and tools.

7. Negotiate, administer, and coordinate contracts for maintenance, repair, testing, and consultation capacity, energy, and transmission.

8. Conduct and coordinate special test activities.

9. Use personal computers.

10. Plan, organize, and direct the work of engineering staff.

11. Prepare comprehensive reports and correspondence.

12. Establish and maintain effective public relations.

13. Effectively contribute to the Department's Equal Employment Opportunity objectives.

VETERANS
PREFERENCE

Veterans Preference Credit will not be granted in this examination.

CAREER CREDITS

Career Credits will be added to this examination.

GENERAL INFORMATION

The Department of Water Resources (DWR) reserves the right to revise the examination plan to better meet the needs of the service if the circumstances under which this examination was planned change. Such revision will be in accordance with civil service laws and rules and all competitors will be notified.

For any examination without a written feature it is the candidate's responsibility to contact the Selection Services Section of the Department of Water Resources, (916) 653 - 4838 three weeks after the final filing date if he/she has not received a progress notice.

Applications are available at DWR offices, DWR website: www.water.ca.gov/jobs/currentexams.cfm , local office of the Employment Development Department, the State Personnel Board, and the SPB web site: www.jobs.ca.gov .

If you meet the requirements stated on the reverse, you may take this examination, which is competitive. Possession of the entrance requirement does not assure a place on the eligible list. Your performance in the examination described on this bulletin will be compared with the performance of the others who take this test, and all candidates who pass will be ranked according to their scores.

General Qualifications: Candidates must possess essential personal qualifications including integrity, initiative, dependability, good judgment, and ability to work cooperatively with others; and a state of health consistent with the ability to perform the assigned duties of the classification.

Examination Locations: When a written test is part of the examination, it will be given in such places in California as the number of candidates and conditions warrant. Ordinarily, qualifications appraisal interviews are scheduled in Sacramento and Los Angeles. However, locations of interviews may be limited or extended as conditions warrant.

If a candidate's notice of oral interview fails to reach him/her prior to the day of the interview due to a verified postal error, he/she will be rescheduled upon written request.

Eligible Lists: Eligible lists established by competitive examination, regardless of date, must be used in the following order: 1) subdivisional promotional, 2) departmental promotional, 3) multidepartmental promotional, 4) servicewide promotional, 5) departmental open, 6) open eligible list. When there are two lists of the same kind, the older must be used first. Eligible lists will expire in one to four years unless otherwise stated on this bulletin. In the case of continuous testing examinations, names are merged into the appropriate lists in order of final test scores (except as modified by veterans preference credits) regardless of the date of the test, and the resulting eligible lists will be used only to fill vacancies in the area shown on the bulletin.

TDD is Telecommunications Device for the Deaf and is reachable only from phones equipped with a TDD Device. TDD: (916) 653-1804; California Relay Telephone Service for the deaf or hearing impaired: From TDD phones: 1-800-735-2929; From voice phones: 1-800-735-2922

For information regarding this examination, please contact Amanda Hardy at (916) 653-4841.